Index of Claims



Application No.

10/005,787

Examiner

Edward J. Cain

Applicant(s)

DONALD W. TAYLOR ET AL

Art Unit

<u> 1714 .</u>

| <b>√</b> | Rejected<br>Allowed |
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|   | - | Interference |

| Α | Appeal   |
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| Cla      | aim      |          |                                                  |          | Ę            | Date         | 9         |          |         |       | Cla         | aim      |                                                  | Date                                              |                                                   |           |      | CI       | aim        |         |          | - 1      | Dat      | е        |               |          |           |
|----------|----------|----------|--------------------------------------------------|----------|--------------|--------------|-----------|----------|---------|-------|-------------|----------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------|-----------|------|----------|------------|---------|----------|----------|----------|----------|---------------|----------|-----------|
| _        | <u> </u> | 4        |                                                  |          |              |              |           | 1        |         | 19    | _           | <u> </u> |                                                  |                                                   | 11                                                |           |      | _        | <u>m</u>   |         |          |          |          |          |               |          |           |
| Final    | Original | 12/7/04  |                                                  |          | ı            |              |           |          |         |       | Final       | Original |                                                  |                                                   |                                                   | Ιİ        |      | Final    | Original   |         |          |          |          |          |               |          |           |
| "        | ō        | 12       |                                                  |          |              |              |           | - {      |         | E d   | "           | ŏ        |                                                  | ]                                                 |                                                   |           | 31   | ш        | ਰ <u>ੋ</u> |         |          | ľ        |          |          |               | -        | ٠         |
| $\vdash$ | 1        | 1        | <del> </del>                                     | H        |              |              | +         | $\dashv$ | +       | -     | -           | 51       | +                                                | ++                                                | <del></del>                                       | Н         |      |          | 101        | +       | ╁        | <u> </u> |          | Н        | -             | $\dashv$ | ᅴ         |
| 1        | 2        | H        | <del>                                     </del> |          | $\dashv$     | _            | _         | T        | _       | 1.0   |             | 52       |                                                  |                                                   |                                                   | Н         |      |          | 102        | -       | $\vdash$ | ├        | <u> </u> | Н        | -             | $\dashv$ | $\dashv$  |
|          | 3        | П        | <b>—</b>                                         |          | $\exists$    |              |           | ╅        | _       | -     |             | 53       |                                                  | <del>                                      </del> |                                                   | H         | I    |          | 103        | _       | ╁        |          | <u> </u> | Н        | $\dashv$      | +        | ᅱ         |
|          | 4        | П        |                                                  |          |              |              |           |          | 1       |       |             | 54       |                                                  |                                                   |                                                   | Н         | d    |          | 104        |         |          |          |          |          | -             | +        | ᅥ         |
|          | 5        | 1        |                                                  |          |              |              |           |          |         |       |             | 55       |                                                  |                                                   |                                                   |           |      |          | 105        | "       |          |          | _        | П        |               | 十        |           |
|          | 6        | 1        | L                                                |          | $\dashv$     | _            |           |          |         |       |             | 56       |                                                  |                                                   |                                                   |           |      |          | 106        |         |          |          |          |          |               | $\top$   | $\neg$    |
|          | 7        | 0        | <u> </u>                                         |          |              | _            | .         | 4        |         | 4     |             | 57       |                                                  | $\perp$                                           |                                                   |           |      |          | 107        |         |          |          |          |          |               |          |           |
| <u></u>  | 8        | 0        | L                                                | $\sqcup$ |              |              | _         | _        | $\perp$ | _85   | L           | 58       |                                                  |                                                   | <del>                                     </del>  | Щ         |      |          | 108        |         |          | L        |          |          |               | $\Box$   |           |
|          | 9        | 1        | <del> </del>                                     |          | _            |              | _         | 4        | - -     | 4     |             | 59       | $\perp$                                          |                                                   | $\perp \perp \perp$                               | Ш         | 1    |          | 109        |         |          | _        |          |          |               |          |           |
|          |          |          | ⊢                                                |          | $\dashv$     |              | +         | +        |         | -12:  | <u> </u>    | 60       |                                                  | <del></del>                                       | +                                                 | Щ         |      |          | 110        |         | _        | <u> </u> | <u> </u> |          |               | 4        |           |
| -        | 11       | =        |                                                  | $\vdash$ |              | $\dashv$     | -         | +        | +       | -1:   | <u> </u>    | 61<br>62 |                                                  | ++-                                               | +                                                 |           | -    |          | 111        | -       | Ĺ.,      | L.       |          |          | 4             | 4        | ᅵ         |
|          | 13       | 7        |                                                  | H        | -+           | $\dashv$     |           | +        | +       | 4     |             | 63       | <del>-      </del> -                             | ++-                                               | +                                                 | $\square$ | 1    |          | 112<br>113 | -       | $\vdash$ | $\vdash$ |          |          | $\dashv$      | +        | ᅴ         |
| $\vdash$ | 14       | 1        | $\vdash$                                         | $\dashv$ | +            | $\dashv$     | $\dashv$  | +        | +       | -     | _           | 64       |                                                  | ++                                                | +                                                 | $\vdash$  | ŀ    |          | 113        | +       | $\vdash$ | <u> </u> |          |          | $\dashv$      | +        | 4         |
|          | 15       | Ť        | $\vdash$                                         |          | $\dashv$     | 1            | +         | $^{+}$   | +       | -     |             | 65       |                                                  | +                                                 | ++-                                               |           | -    |          | 115        |         | H        |          | $\vdash$ |          | <del></del> - | +        | 4         |
|          | 16       | _        |                                                  |          | Ť            | $\dashv$     | $\dashv$  |          |         | 1     |             | 66       |                                                  |                                                   | + + -                                             | $\dashv$  | ŀ    |          | 116        |         | Н        | $\vdash$ |          | $\dashv$ | $\dashv$      | +        | -         |
|          | 17       |          |                                                  |          | T            |              | $\exists$ | $\top$   | _       |       |             | 67       |                                                  | 1                                                 | <del>                                      </del> | $\exists$ | -    |          | 117        |         | Н        |          | -        | _        | $\dashv$      |          | $\dashv$  |
|          | 18       |          |                                                  |          | T            | T            |           |          |         |       |             | 68       |                                                  |                                                   |                                                   |           | ŀ    | -        | 118        |         | $\vdash$ |          | -        | $\dashv$ | $\dashv$      | -+       | ┪         |
|          | 19       |          |                                                  |          |              |              |           |          |         |       |             | 69       |                                                  |                                                   |                                                   |           |      |          | 119        | -       | H        | -        |          | $\dashv$ | +             | +        | ┪         |
|          | 20       |          |                                                  |          |              |              |           |          |         |       |             | 70       |                                                  |                                                   |                                                   |           |      |          | 120        |         | Ħ        |          |          | $\neg$   | $\neg$        | $\top$   | ٦         |
|          | 21       |          |                                                  | $\perp$  | $\perp$      | _            |           |          |         |       |             | 71       |                                                  |                                                   |                                                   |           |      |          | 121        |         |          |          |          |          | $\top$        | $\dashv$ | ٦         |
|          | 22       |          |                                                  | _        | _            | 4            | 4         |          |         | 4.    |             | 72       |                                                  |                                                   |                                                   |           |      |          | 122        |         |          |          |          |          |               | T        | ٦         |
|          | 23       |          | Щ                                                | _        |              | 4            | _         | _        | -       | 4     |             | 73       |                                                  |                                                   |                                                   | _         | _    |          | 123        |         |          |          |          | $\Box$   |               | $\perp$  |           |
|          | 24<br>25 |          | Ш                                                | -        |              | $\dashv$     | +         | -        | 4       | 45.   |             | 74       | -                                                | +                                                 | +                                                 | _         | L    |          | 124        |         | Ш        |          |          |          |               | Ц.       | $\Box$    |
|          | 26       |          |                                                  | $\dashv$ |              | $\dashv$     | +         |          | +       | -4::: | $\vdash$    | 75<br>76 | +++                                              | +                                                 |                                                   | -1.       | -    | $\dashv$ | 125        |         | Щ        | _        | _        | _        |               |          | 1         |
|          | 27       |          | $\dashv$                                         | $\dashv$ | $\dashv$     | +            |           | +        | +       | -     |             | 76<br>77 |                                                  | 1-1-                                              | <del>                                     </del>  | -         |      |          | 126        | $\perp$ | Ш        | _        | _        | _        |               | 4        | 4         |
|          | 28       |          |                                                  | $\dashv$ | $\dashv$     | +            | +         | +        | +       |       |             | 78       |                                                  | +                                                 | 1 1                                               |           | - }- | -        | 127<br>128 | -       | Н        |          |          | $\dashv$ |               | +        | 4         |
|          | 29       |          |                                                  | Ť        | $\dashv$     | +            | +         | +        | +       |       |             | 79       | +++                                              | +                                                 |                                                   | $\dashv$  | :    |          | 129        |         | $\dashv$ |          |          | -        | -             | +        | 4         |
|          | 30       |          |                                                  |          | _            | 十            | _         | 十        |         | 15.   |             | 80       | <del></del>                                      | 1 !-                                              | <del>   - </del>                                  |           | H    |          | 130        | _       | $\vdash$ | -        | $\dashv$ | +        | +             | +        | $\dashv$  |
|          | 31       |          | $\neg$                                           |          |              | T            | _         | $\top$   |         |       | $\neg \neg$ | 81       |                                                  | 1                                                 | 1 1 1                                             | -1        | -    |          | 131        | +       | $\dashv$ | ᅱ        | -        | $\dashv$ |               | ╁        | $\dashv$  |
|          | 32       |          |                                                  |          |              |              |           |          |         | 74    |             | 82       |                                                  |                                                   |                                                   |           | Ī    |          | 132        |         |          | $\neg$   | 十        | $\dashv$ | _             | 十        | $\dashv$  |
| [        | 33       |          |                                                  | $\bot$   | $\bot \bot$  | $oxed{I}$    |           |          |         | J#.   |             | 83       |                                                  |                                                   |                                                   |           | ı    |          | 133        |         |          | T        |          | _        | $\top$        | +        | $\dashv$  |
|          | 34       | $\Box$   | _                                                | <u> </u> | $\perp$      | $\perp$      | $\perp$   | $\perp$  | 4-      |       |             | 84       |                                                  |                                                   |                                                   |           | ŧΓ   |          | 134        |         |          |          |          | 一        | $\neg$        | 十        | ٦         |
|          | 35       | _        | $\dashv$                                         | 4        | +            | $\downarrow$ | 4         | 4        | 4       | 4.5   |             | 85       | + + +                                            | 1                                                 | $\perp \perp \downarrow \perp$                    | _         | L    |          | 135        |         |          | $\Box$   |          |          |               | floor    | J         |
|          | 36       | _        |                                                  | $\dashv$ |              | $\perp$      |           | 4        |         | 4     |             | 86       | $\perp$                                          | +                                                 | $\sqcup \sqcup$                                   | _         |      |          | 136        |         |          |          | $\Box$   | $\Box$   | $\Box$        | $\perp$  |           |
|          | 37       | $\dashv$ | $\dashv$                                         | -        | +            | +            |           | +        | +       | -     | $\dashv$    | 87       |                                                  |                                                   |                                                   |           |      |          | 137        | _ _     |          | $\Box$   | [        |          | $\perp$       | $\perp$  | ╛         |
|          | 38<br>39 | $\dashv$ | -                                                | +        | +            | +            | +         | +        | +       | -     |             | 88<br>89 |                                                  | -                                                 | $\vdash \vdash \vdash$                            | -         |      |          | 138        | +       |          | _        |          | _        | _ _           | $\perp$  | 4         |
| $\dashv$ | 40       | $\dashv$ | -                                                | +        | +            | +            | +         | +        | +       | -     |             | 90       | <del>- - -</del>                                 | ++                                                | <del>   - </del>                                  |           | 1    |          | 139        |         | $\dashv$ | $\dashv$ |          | $\perp$  | 4             | $\perp$  | 4         |
|          | 41       | -        |                                                  | $\dashv$ | +            | +            | +         | +-       | +       |       |             | 91       |                                                  | +-                                                | ++                                                |           | -    | }        | 140        |         |          | $\dashv$ |          | +        |               | +        | 4         |
|          | 42       | -        | $\dashv$                                         | $\dashv$ | +            | +            |           | +        | +       |       |             | 92       | <del> - - -</del>                                | ++                                                | <del>   </del>                                    | $\dashv$  | 1    | $\dashv$ | 141<br>142 | +       | $\dashv$ |          | $\dashv$ |          | +             | +-       | $\dashv$  |
|          | 43       | $\dashv$ | $\dashv$                                         | +        | $^{\dagger}$ | +            | $\dashv$  | $\top$   | $\top$  |       |             | 93       | <del>                                     </del> | <del>                                     </del>  | - -                                               | $\dashv$  | ŀ    |          | 143        | +       | $\dashv$ | $\dashv$ | $\dashv$ | +        | +-            | +        | 4.        |
|          | 44       | 7        | $\dashv$                                         | $\top$   | 1            | 7            | 1         | $\top$   | $\top$  | 15    |             | 94       | +++                                              |                                                   | <del>                                     </del>  | $\dashv$  | 1    |          | 144        | +       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +        | $\exists$ |
|          | 45       |          |                                                  |          | $\Box$       | $\top$       | _         | $\top$   | 1       |       |             | 95       |                                                  | $\Box$                                            |                                                   | $\dashv$  | +    |          | 145        | +       | $\dashv$ | -        | $\dashv$ | +        | +             | +        | $\exists$ |
| Ì        | 46       |          | $\Box$                                           |          |              | ╧            |           |          | I       |       |             | 96       |                                                  |                                                   |                                                   | 7         | r    |          | 146        | 11      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | +-       | $\dashv$  |
|          | 47       | $\Box$   | $\Box$                                           | $\perp$  |              | T            |           | Τ        | I       |       |             | 97       |                                                  |                                                   |                                                   | 7         | r    |          | 147        | 7       | $\dashv$ | _        | $\dashv$ | $\top$   | +-            | 十        | 7         |
| $ \bot $ | 48       | $\perp$  | [                                                | $\perp$  |              |              |           | Ţ        |         |       |             | 98       |                                                  |                                                   |                                                   |           |      |          | 148        | 1       | 7        | 寸        |          | _        | 十             | $\top$   | 7         |
|          | 49       | $\perp$  |                                                  | 4        | $\perp$      | _            | $\perp$   | 1        | 1_      | ] [   |             | 99       |                                                  |                                                   |                                                   |           | Ε    |          | 149        |         |          |          |          |          | $\top$        |          | 7         |
|          | 50       |          | $\bot$                                           | $\perp$  |              | _L           |           | Т.       |         |       |             | 100      |                                                  |                                                   |                                                   | _]        | ÷L   |          | 150        |         | T        | T        |          | T        |               | T        | 1         |